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## **CBRN Escape Respirator**

## **CBRN APR Escape CWA Concept**

- Sarin (GB):
  - Vapor Challenge 210 mg/m³
  - Breakthrough 0.087 mg/m³ Peak
    - 2.1 mg min/m<sup>3</sup> Ct
  - Time Agent Applied = Respirator Tested Service Time





## CBRN Escape Respirator

## CBRN APR Escape CWA Concept

- Mustard (HD):
  - Vapor Challenge 50 mg/m<sup>3</sup>
  - Liquid Challenge 0.46 ml
  - Breakthrough 0.60 mg/m³ Peak
    - $-6.0 \text{ mg} \text{min/m}^3 \text{ Ct}$
  - Time Agent Applied = Respirator Tested
    Service Time
  - Total Test Time = 2 X Respirator Tested
    Service Time



